APPARATUS TO FLOW CONTROL FRAMES IN A NETWORKED STORAGE VIRTUALIZATION USING MULTIPLE STREAMING PROTOCOLS

ABSTRACT OF THE DISCLOSURE

A storage server includes various components that monitor and control the data flow therebetween. If an egress (downstream) port becomes congested, that information is propagated upstream to the egress components such as the port manager, the traffic manager processor, and the egress storage processor, which are each configured to control their data flow to prevent dropped data frames. In addition, the egress storage processor can communicate the congestion information to the ingress storage processor, which further propagates the congestion information to the ingress components such as the traffic manager processor and the port manager processor. The ingress port manager processor can then direct the ingress port to stop accepting ingress data for the storage server to process until the congestion has been addressed.

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